



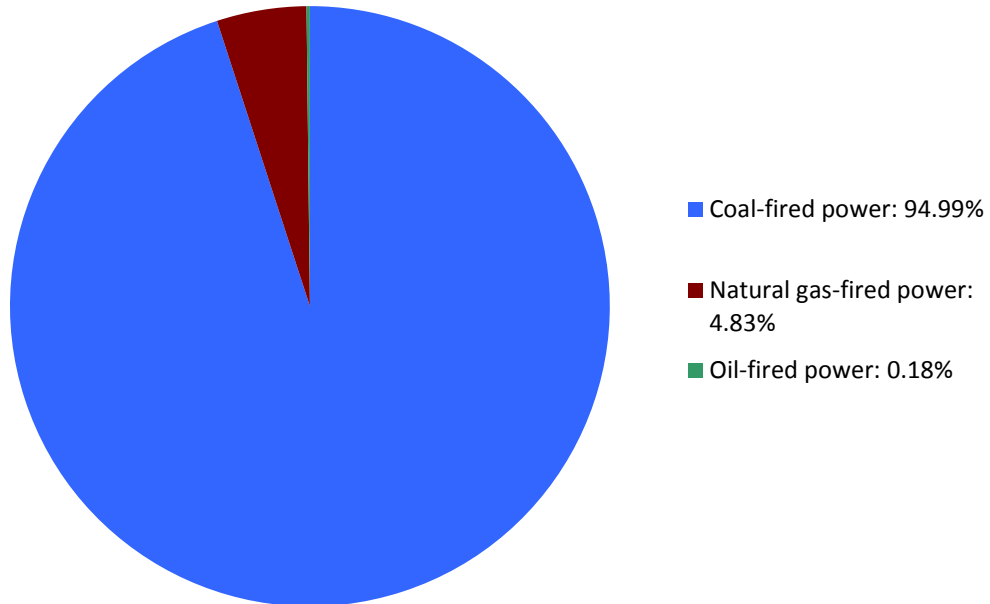
**Independence Power and Light
Utility-Owned Electric Generation and Emissions in 2009**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	2,390,497	93.55%		173,300	94.99%	
Natural gas-fired power	133,186	5.21%		8,818	4.83%	
Oil-fired power	31,748	1.24%		331	0.18%	
Nuclear power						
Other non-renewable power						
Non-renewable total	2,555,431	100.00%	100.00%	182,449	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	2,555,431		100.00%	182,449		100.00%

Fuel Type	Physical Units	Number of Units
Bituminous Coal	Short Tons	108,462
Natural Gas	Mcf	132,236
Distillate Fuel Oil	Barrels	5,495



Net Generation by Fuel Type, 2009 for Independence Power and Light





Emissions from Electricity Generated in 2009: Independence Power and Light

Plant	Carbon Dioxide (CO ₂) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH ₃) (Tons)	Nitrogen Oxides (NO _x) (Tons)	Sulfur Dioxides (SO ₂) (Tons)
Independence Power and Light	52,395.23	32.30	0.27	930.09	7,099.19
Blue Valley	49,096.90	28.02	0.20	720.25	6,177.33
Jackson Square	111.52	0.20	NV	3.55	0.21
Missouri City	1,567.41	3.62	0.07	201.33	919.65
Station H	1,543.95	0.33	NV	2.56	1.86
Station I	75.45	0.13	NV	2.40	0.14

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM ₁₀ Total) (Tons)	Fine Particulate Matter (PM _{2.5} Total) (Tons)	Mercury (Hg) (LBS)
Independence Power and Light	3.93	457.48	400.92	8.88
Blue Valley	3.50	396.40	339.84	8.88
Jackson Square	0.07	0.25	0.25	NV
Missouri City	0.27	60.42	60.42	NV
Station H	0.04	0.24	0.24	NV

'NV' = Emissions value not available.

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



Pollution controls installed on plants operated by Independence Power and Light

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Blue Valley	No SO2 Controls Installed		
Jackson Square	No SO2 Controls Installed		
Missouri City	No SO2 Controls Installed		
Station H	No SO2 Controls Installed		
Station I	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Blue Valley	No NOX Controls Installed			
Jackson Square	No NOX Controls Installed			
Missouri City	No NOX Controls Installed			
Station H	No NOX Controls Installed			
Station I	No NOX Controls Installed			



**Missouri Power plants owned and operated by Independence Power and Light in
2009**

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
Blue Valley	Jackson	Bituminous Coal	176	166,101
Jackson Square	Jackson	Distillate Fuel Oil	36	276
Missouri City	Clay	Bituminous Coal	46	14,526
Station H	Jackson	Natural Gas	43	1,308
Station I	Jackson	Distillate Fuel Oil	38	238

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html